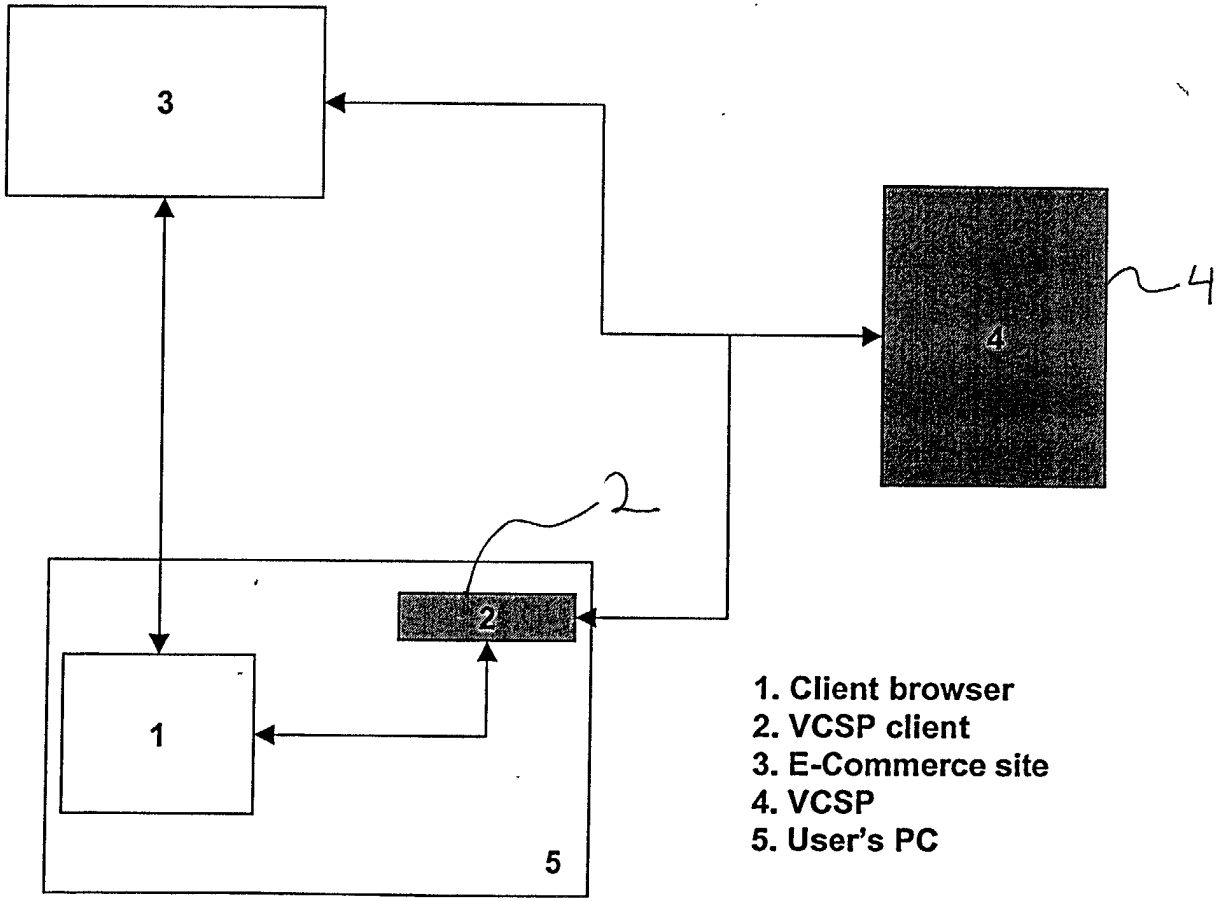
ORIGINAL

# Interaction Process




1. Client browser
2. VCSP client
3. E-Commerce site
4. VCSP
5. User's PC

Figure : 1

# Registration

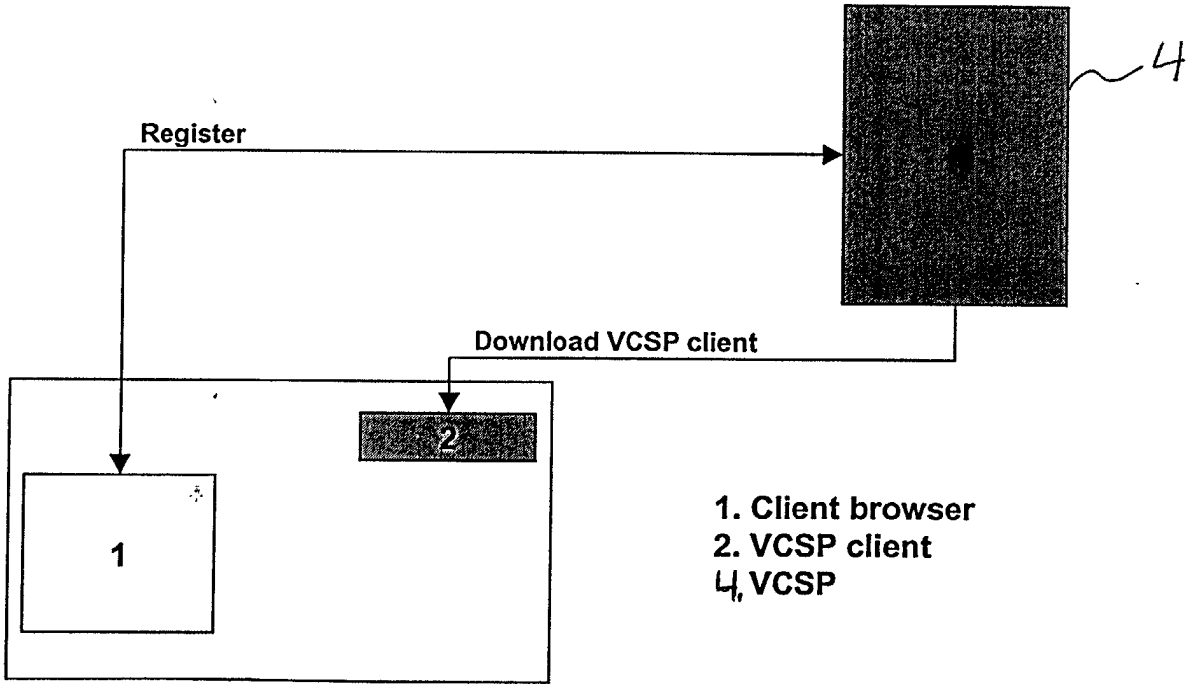



Figure : 2

# Purchase

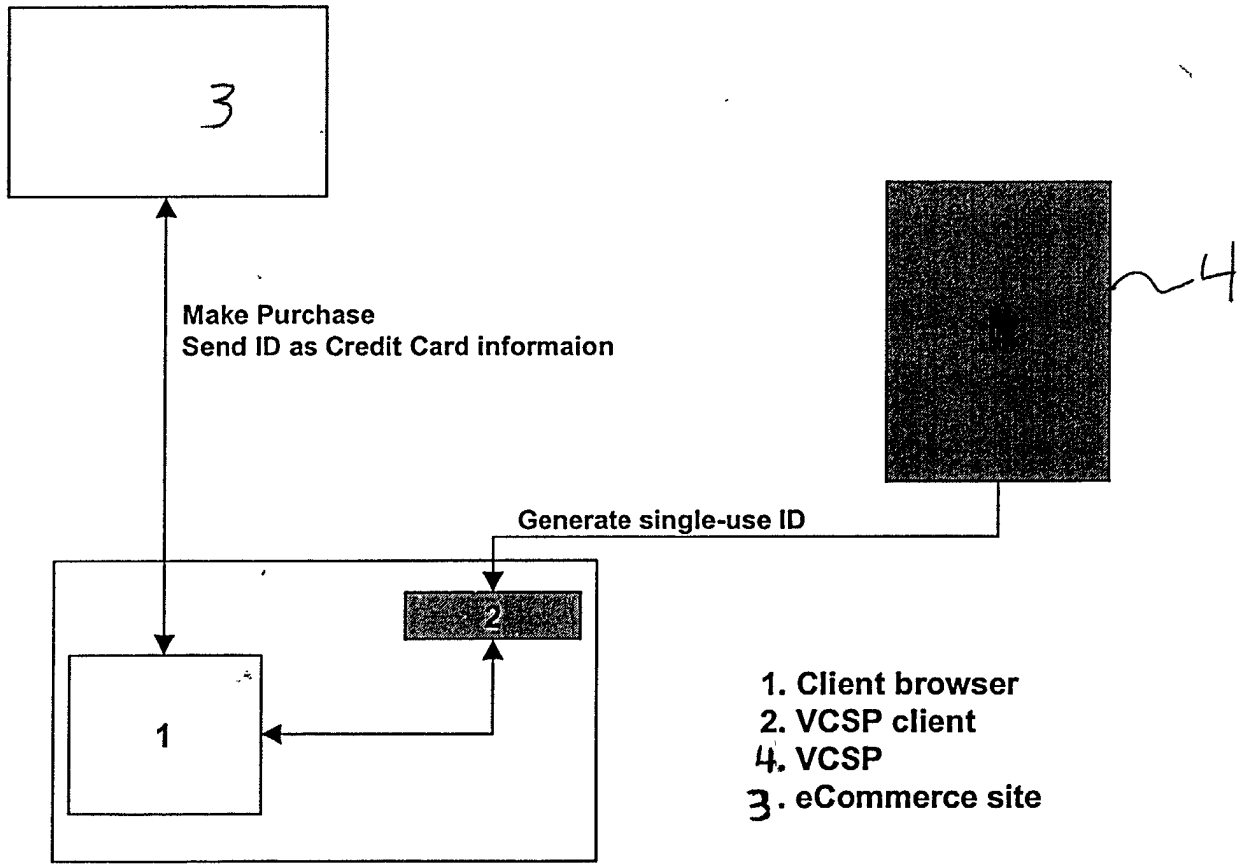
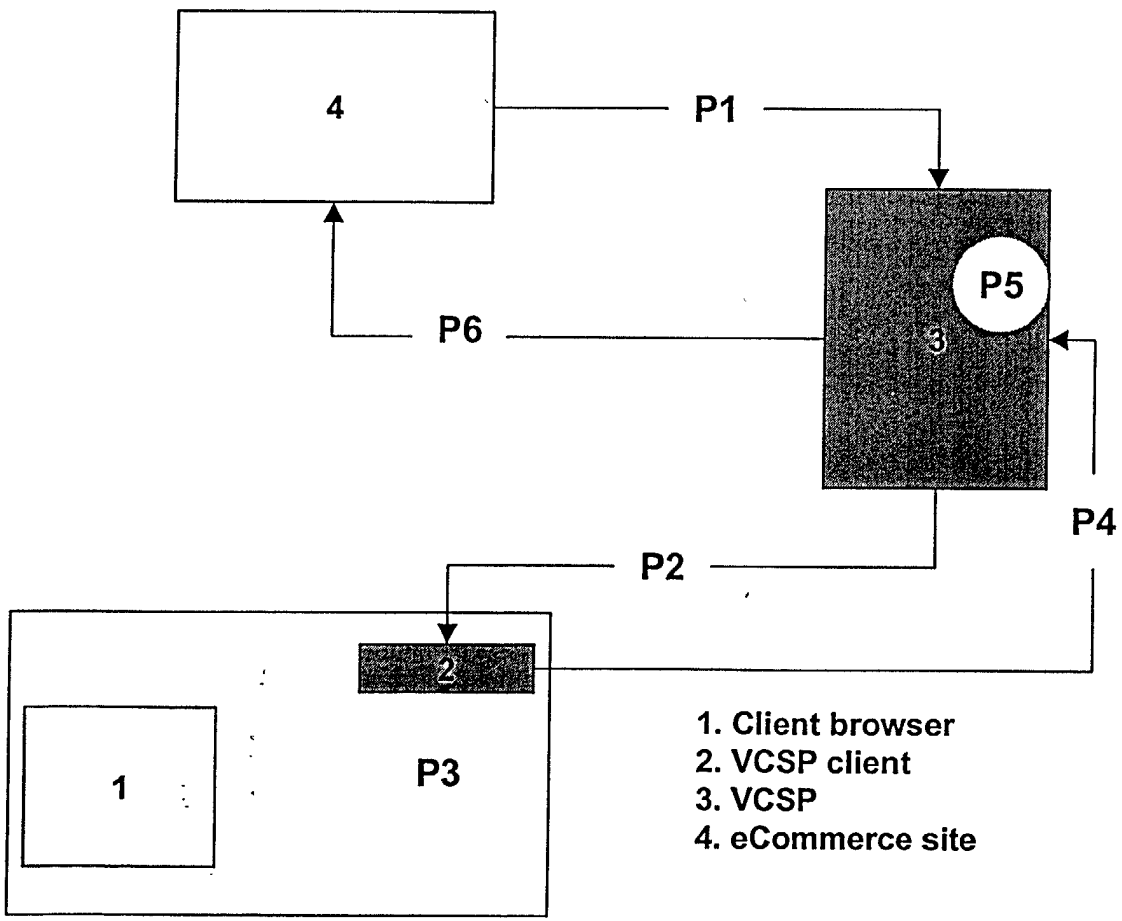



Figure : 3

# Transaction




P1. eCommerce site requests VCSP for validation

P2. VCSP sends requested payment information and requestor id to client

P3. VCSP client displays amount and requestor and asks for user confirmation

P4.User confirmation sent to VCSP

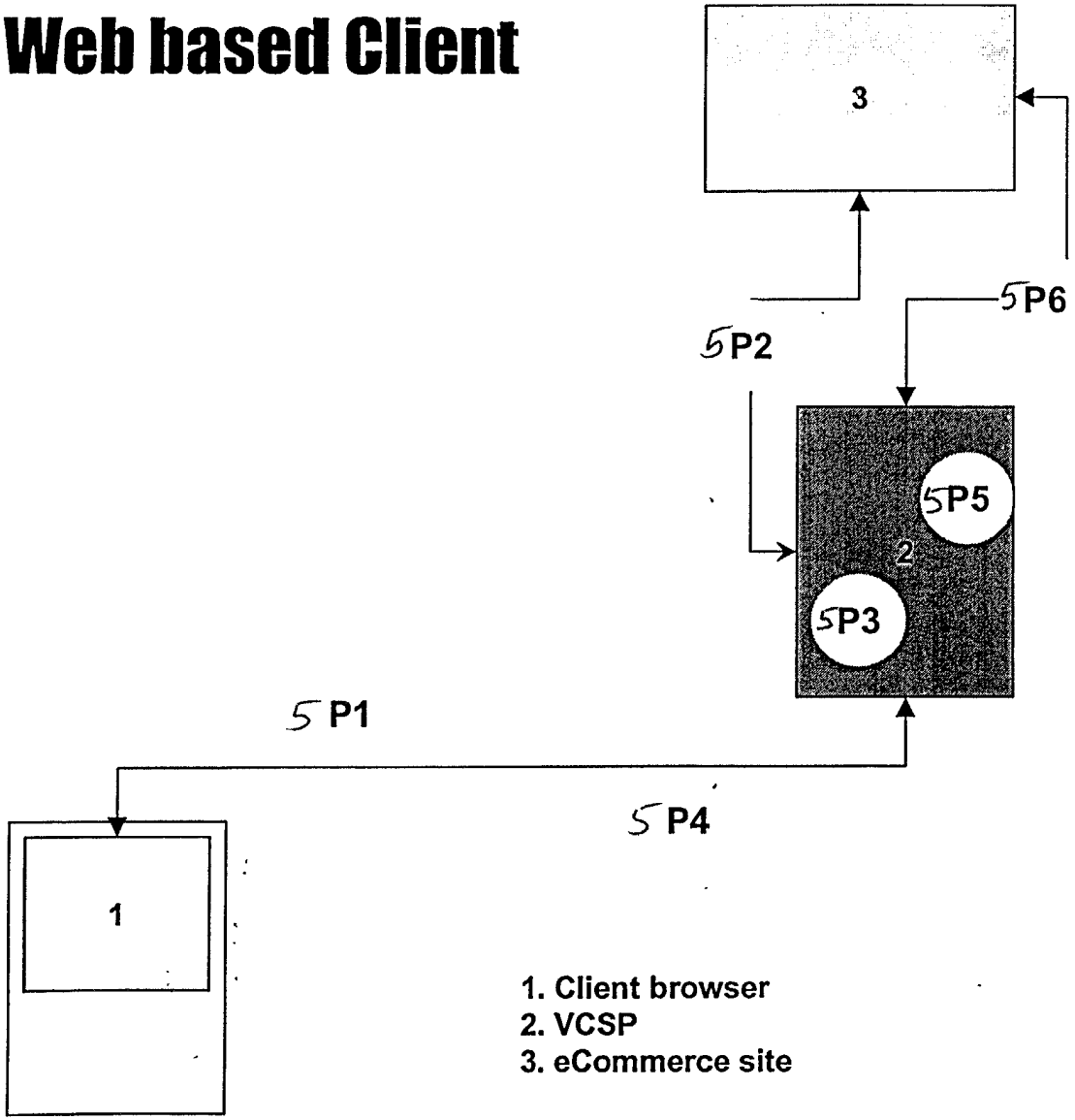
P5. VCSP checks if user has necessary balance for payment and commits the payment transaction

P6. Acceptance sent to eCommerce site

*Note: P2,P3,P4 can be skipped if user has not configured for "confirmation"*

Figure : 4

# Web based Client

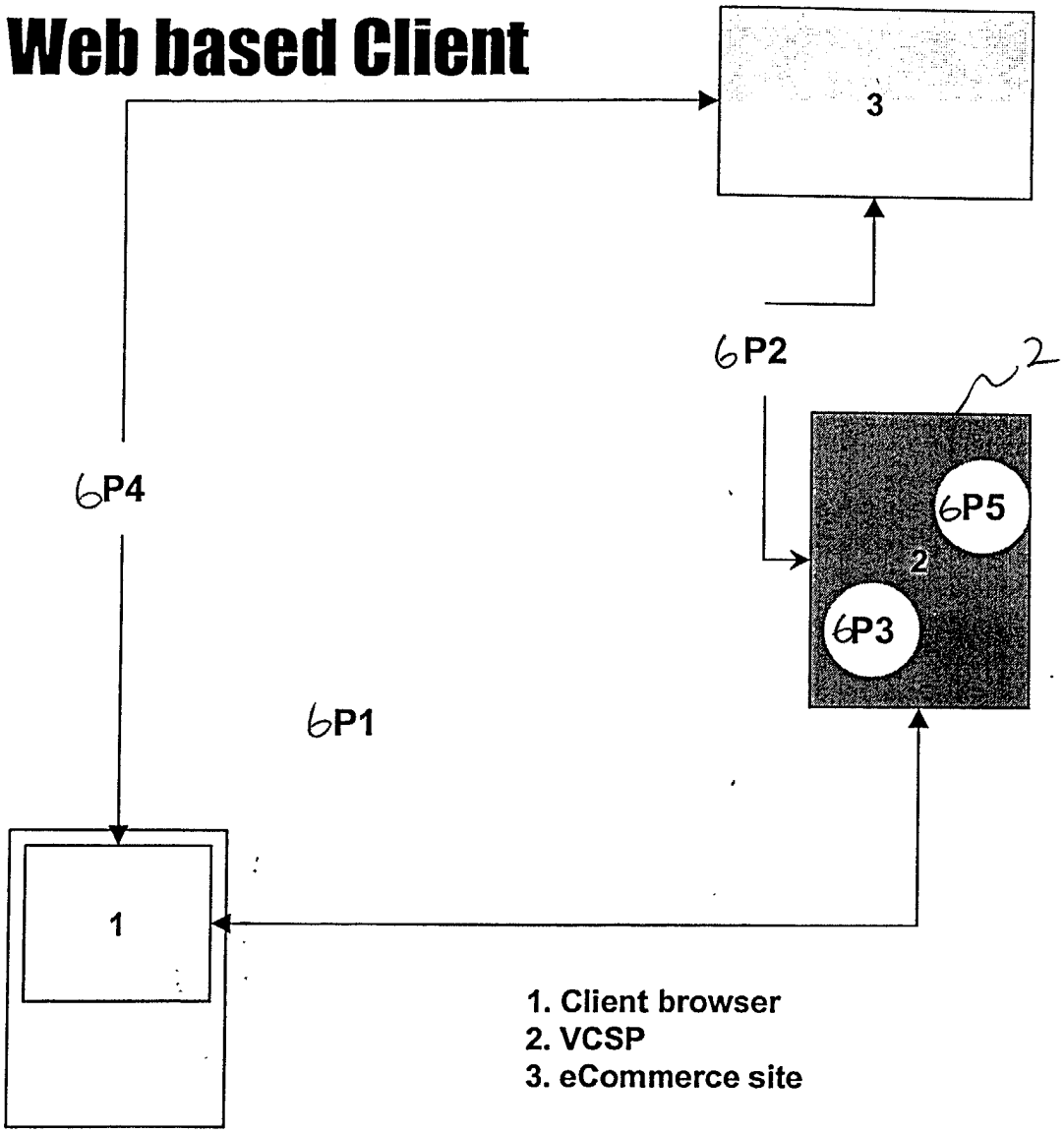



1. Client browser
2. VCSP
3. eCommerce site

- P1. User logins in to VCSP and specifies URL of site to view
- P2. VCSP server contacts the site & retrieves the document
- P3. The document is parsed, destination URL changed to the VCSP server and the information sent to user's browser
- P4. User submits request
- P5. VCSP server automatically adds the Internet Id
- P6. The document is sent to the original site

Figure : 5

FOREIGN APPLICATION




6P1. User logins in to VCSP and specifies URL of site to view

6P2. VCSP server contacts the site & retrieves the document

6P3. The document is parsed, code added to transparently handle card information and sent to user's browser

6P4. User submits request

Figure : 6

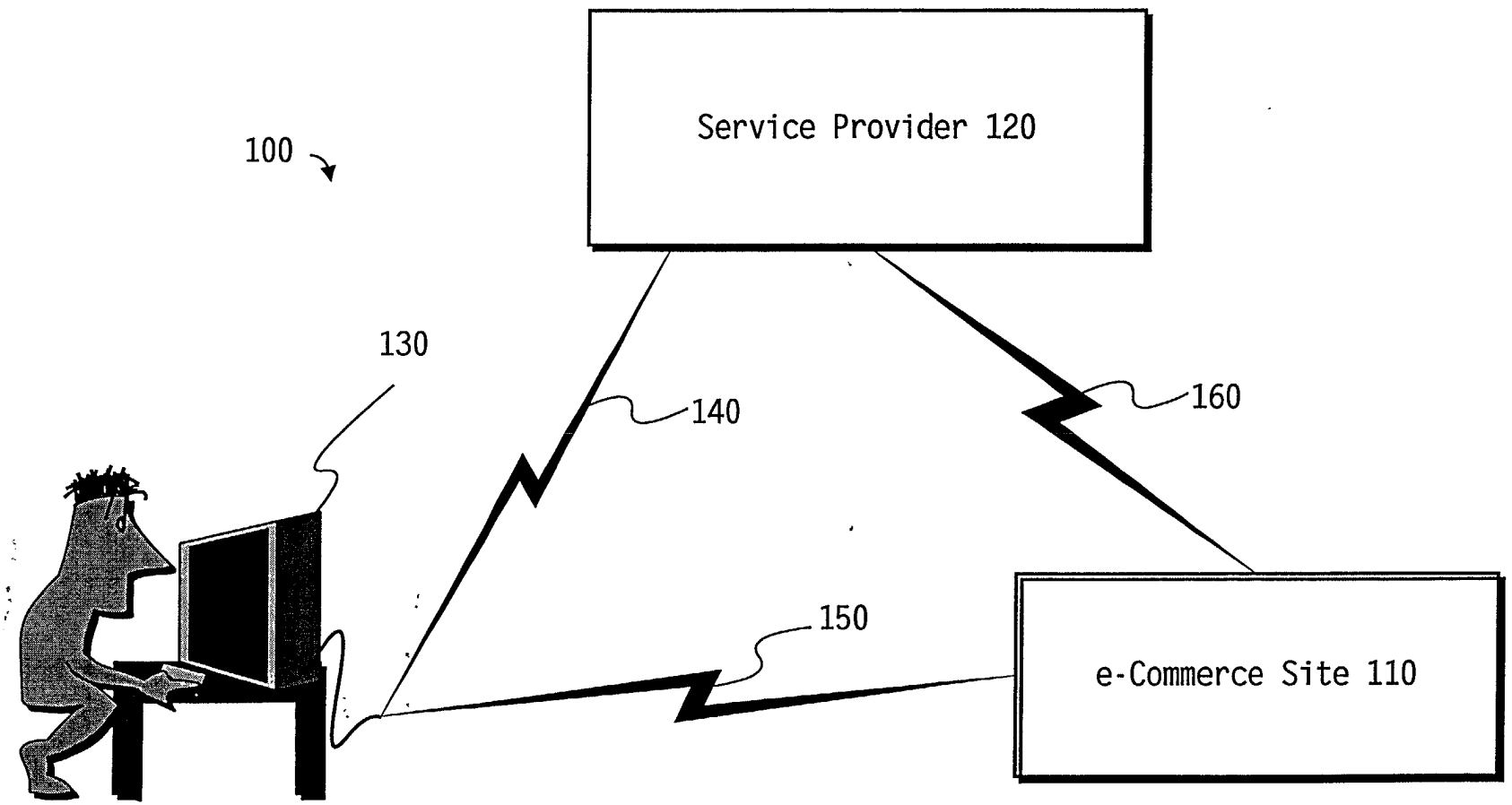



Figure 7

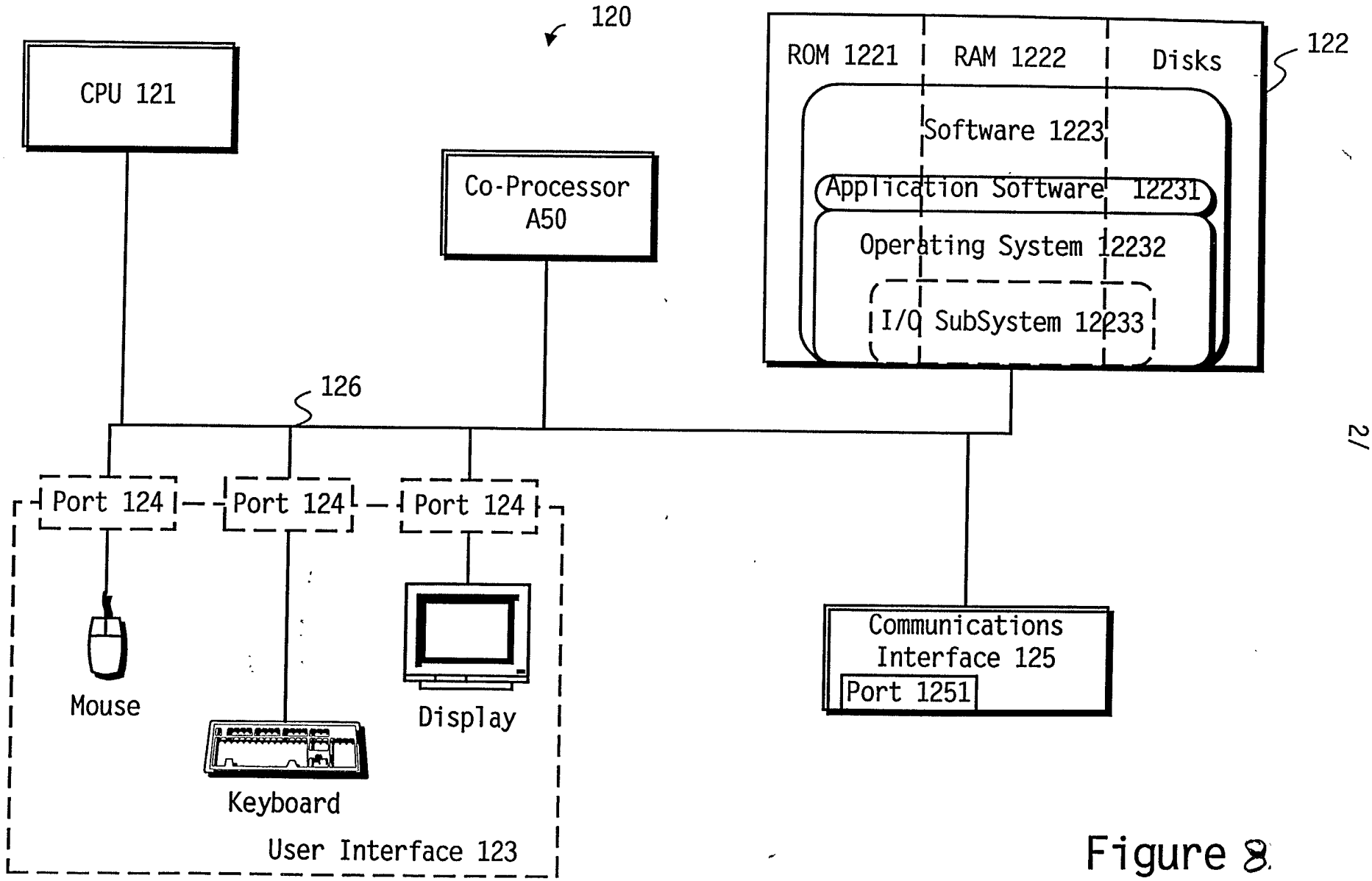

120
CPU 121
Co-Processor A50
ROM 1221
RAM 1222
Disks
122
Software 1223
Application Software 12231
Operating System 12232
I/O SubSystem 12233
126
Port 124
Port 124
Port 124
Mouse
Keyboard
Display
Communications Interface 125
Port 1251
User Interface 123

Figure 8.

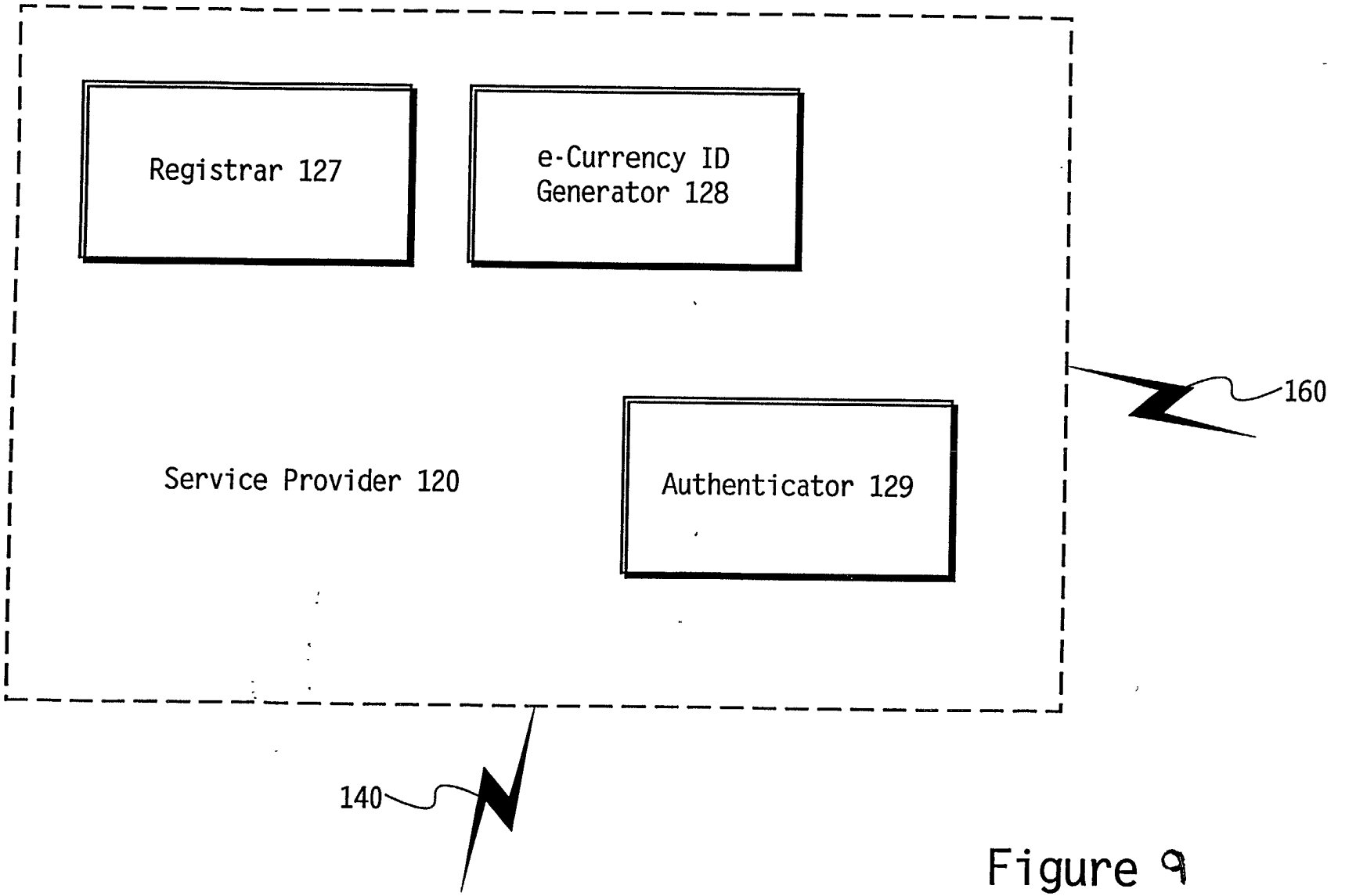

Registrar 127
e-Currency ID Generator 128
Service Provider 120
Authenticator 129
160
140

Figure 9

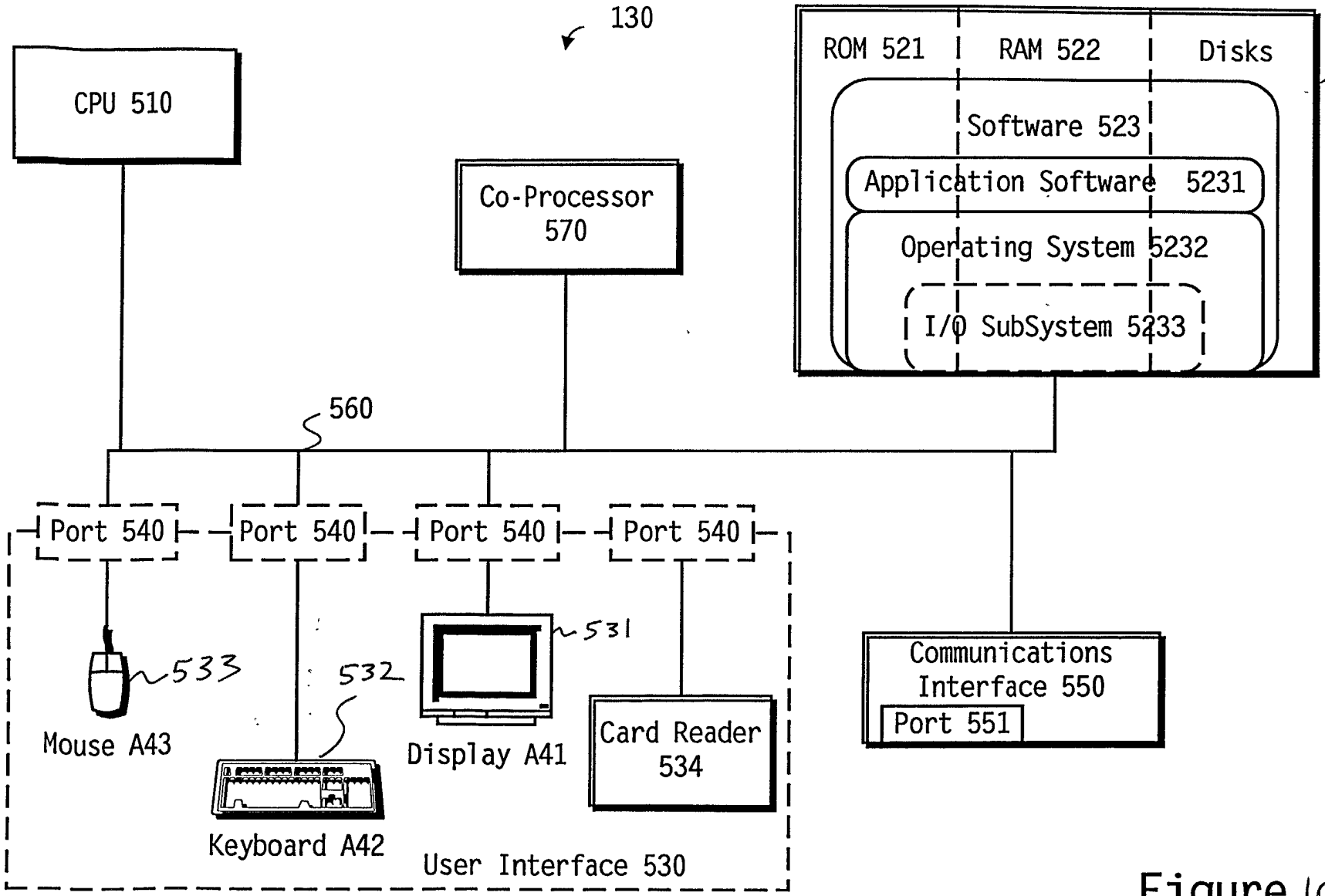

130
CPU 510
Co-Processor 570
ROM 521
RAM 522
Disks
520
Software 523
Application Software 5231
Operating System 5232
I/O SubSystem 5233
560
Port 540
Port 540
Port 540
Port 540
533
532
531
Mouse A43
Keyboard A42
Display A41
Card Reader 534
Communications Interface 550
Port 551
User Interface 530

Figure 10

FOUND 6SME880

# Conceptual View of Browser Application Software

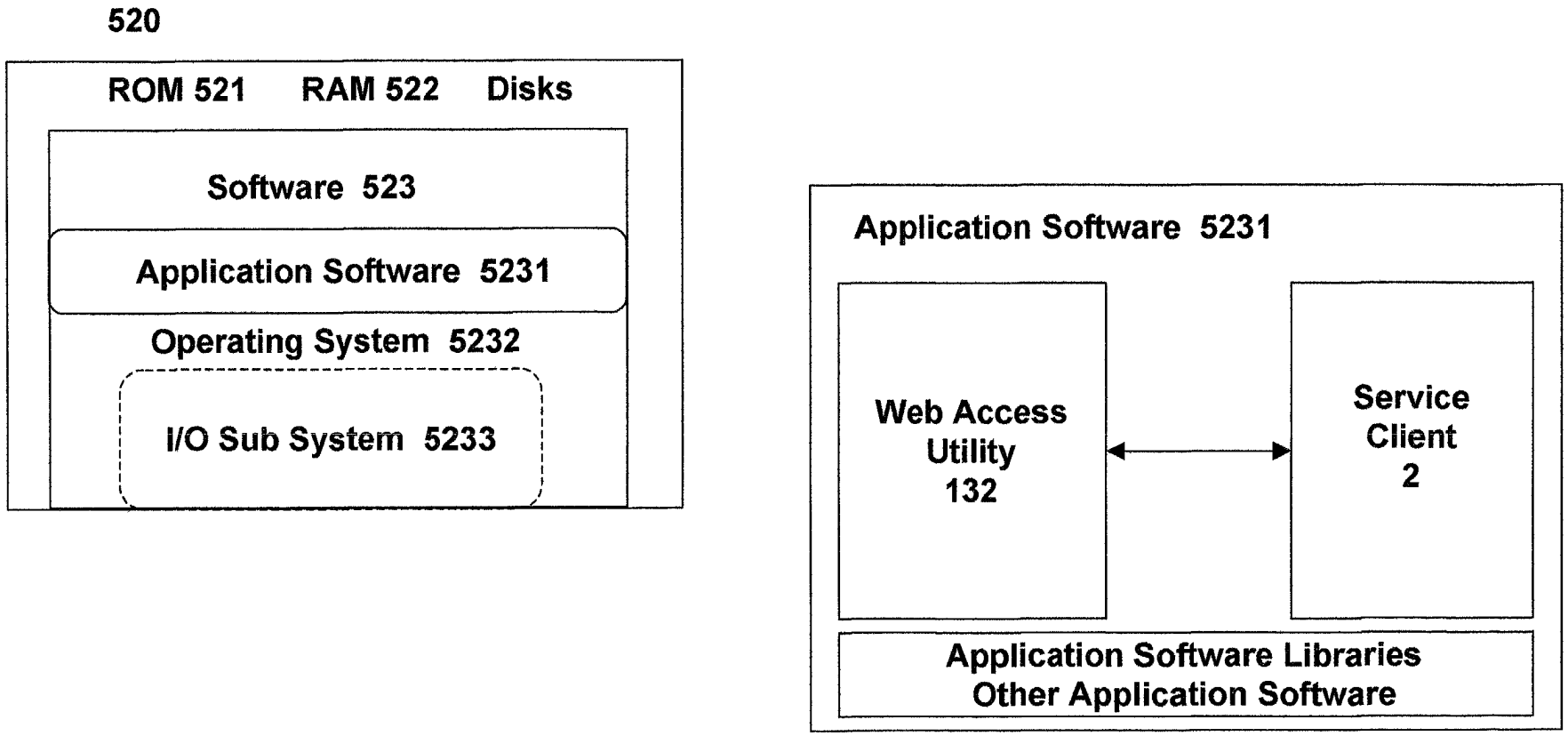



FIG. 11